## **EAST Search History**

## EAST Search History (Prior Art)

| Ref # | Hits   | Search Query   | DBs  | Default<br>Operator | Plurals | Time Stamp          |
|-------|--------|--|--|---------------------|---------|---------------------|
| S1    | 1483   | 310/313R.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/01/11<br>08:51 |
| S2    | 1622   | longitudinal\$ with coupl<br>\$3 with filter   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/01/15<br>17:30 |
| S3    | 219504 | (surface boundary) adj<br>acoustic adj wave or<br>SAW or BAW   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/01/11<br>08:52 |
| S4    | 524    | S2 and S3  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/01/11<br>09:56 |
| S5    | 360456 | (silicon with (silicon adj<br>dioxide or silicon adj<br>oxide or silica)) (si with<br>(sio2 or "sio.sub.2")) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/01/11<br>12:49 |
| S6    | 7034   | S3 and S5  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/01/15<br>18:45 |
| S7    | 39     | S4 and S6  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/01/11<br>09:15 |
| S8    | 1947   | 310/313A-313D.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | OR                  | ON      | 2008/01/11<br>10:13 |

| S9  | 22450  | lithium adj niobate<br>linbo3 "linbo.sub.3"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/11<br>10:13 |
|-----|--------|--|--|----|----|---------------------|
| S10 | 1555   | euler near3 angles   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/11<br>10:14 |
| S11 | 107    | S9 and S10   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/11<br>12:32 |
| S12 | 23     | (US-20070284965.\$ or US-20060071579-\$ or US-2005009091-\$ or US-20050090901-\$ or US-20050062560-\$ or US-20030011281-\$ or US-20030011281-\$ or US-20020057823-\$ or US-20070090898-\$ or US-2007015233-\$ or US-2007015233-\$ or US-2007015233-\$ or US-2007015233-\$ or US-2007015233-\$ or US-2007016868-\$), did. or (US-7218039-\$ or US-806795-\$ or US-80673941-\$ or US-656898-\$ or US-573395-\$ or US-5565724-\$ or US-5565724-\$ or US-5446329-\$ or US-7042133-\$ ), did. | US-POPUB;<br>USPAT   | OR | ON | 2008/01/11          |
| S13 | 12     | S12 and (electrode near3 thick\$4)   | US-PGPUB;<br>USPAT   | OR | ON | 2008/01/11<br>10:30 |
| S14 | 145291 | electrode with (au ag<br>cu al fe ni w ta pt mo<br>cr ti zno ito)  | US-PGPUB;<br>USPAT   | OR | ON | 2008/01/11<br>10:31 |
| S15 | 20     | S12 and S14  | US-PGPUB;<br>USPAT   | OR | ON | 2008/01/11<br>11:57 |
| S16 | 1869   | (S1 S8) and filter   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | OR | ON | 2008/01/11<br>10:42 |

| S17 | 568   | S16 and bandwidth  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/11<br>10:43 |
|-----|-------|--|--|----|----|---------------------|
| S18 | 273   | S17 and coefficient  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/11<br>10:48 |
| S19 | 2902  | (sh (shear adj<br>horizontal)) with wave   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/11<br>11:58 |
| S20 | 28    | slow adj transverse adj<br>wave  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/11<br>11:59 |
| S21 | 13    | S19 and S20  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/11<br>11:58 |
| S22 | 324   | (S1 S8) and resin  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/11<br>12:34 |
| S23 | 75240 | resin with ((silicon adj<br>dioxide or silicon adj<br>oxide or silica) (si with<br>(sio2 or "sio.sub.2")))   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/11<br>12:50 |
| S24 | 1165  | S3 and S23   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/11<br>12:50 |
| S25 | 30    | (US-20070284965-\$ or US-20060071579-\$ or US-2005009591-\$ or US-20050062560-\$ or US-20030011281-\$ or US-20020158549-\$ or US-2007009598-\$ or US-2007095723-\$ or US-2007012339-\$ or US-2007012839-\$ or US-2007012839-\$ or US-2007012838-\$ or US-2007012838-\$ or US-2007012838-\$ or US-2007012838-\$ or US-2007012838-\$ or US-2007012888-\$ or US-20070108888-\$ or | US-PGPUB;<br>USPAT   | OR | ON | 2008/01/11          |

|             |       | US-20010008387-\$ or US-2003104657-\$), did. or (US-7218039-\$ or US-6806795-\$ or US-6713941-\$ or US-6566983-\$ or US-573845-\$ or US-5777422-\$ or US-5777422-\$ or US-546329-\$ or US-742133-\$ or US-6489863-\$ or US-6498863-\$ or US-677911-\$ or US-577911-\$ or US-5797438-\$ or US-5797418-\$ or US-5 |  |    |    |                     |
|-------------|-------|---|--|----|----|---------------------|
| S26         | 7     | \$25 and resin  | US-PGPUB;<br>USPAT   | OR | ON | 2008/01/11<br>13:13 |
| S27         | 22458 | lithium adj niobate<br>linbo3 "linbo.sub.3"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/15<br>09:31 |
| S28         | 1559  | euler near3 angles  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/15<br>09:31 |
| <b>S2</b> 9 | 108   | S27 and S28   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/15<br>09:31 |
| S30         | 3     | "US 20040061575"  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR | ON | 2008/01/15<br>10:22 |
| S31         | 89930 | (plane orientation) with crystal  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR | ON | 2008/01/15<br>10:23 |
| S32         | 3418  | S27 and S31   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR | ON | 2008/01/15<br>13:19 |
| S33         | 990   | ((plane orientation)<br>with crystal) same<br>(lithium adj niobate<br>linbo3 "linbo.sub.3")   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR | ON | 2008/01/15<br>10:24 |
| S34         | 2892  | S32 and (angle degree)  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR | ON | 2008/01/15<br>13:21 |

| S35 | 193663 | surface adj acoustic adj<br>wave or boundary adj<br>acoustic adj wave or<br>saw or baw  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR | ON | 2008/01/15<br>13:22 |
|-----|--------|---|--|----|----|---------------------|
| S36 | 582    | S34 and S35   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR | ON | 2008/01/15<br>13:22 |
| 537 | 38     | (US-20070284965-\$ or US-20070108688-\$ or US-20070108688-\$ or US-20030164657-\$ or US-20030164657-\$ or US-20030164657-\$ or US-2005009991-\$ or US-2005009991-\$ or US-2005009991-\$ or US-2005009991-\$ or US-2004017281-\$ or US-2003017281-\$ or US-2003017281-\$ or US-2003017281-\$ or US-2003017579-\$ or US-20020158549-\$ or US-20040061575-\$ or US-20040061575-\$ or US-2005057282-\$ or US-2050573283-\$ or US-2050573283-\$ or US-2050573283-\$ or US-2050573283-\$ or US-2050573283-\$ or US-2050573913-\$ or US-2073030-\$ or US-2073053-\$ or US-207305-\$ or US-207305-\$ or US-207305-\$ or US-207305-\$ or US-207305- | US-PGPUB;<br>USPAT   | OR | ON | 2008/01/15          |
| S38 | 1623   | longitudinal\$ with coupl<br>\$3 with filter  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | OR | ON | 2008/01/15<br>17:30 |

| S39         |        | S37 and S38  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/15<br>17:31 |
|-------------|--------|--|--|----|----|---------------------|
| S40         | 145347 | electrode with (au ag<br>cu al fe ni w ta pt mo<br>cr ti zno ito)  | US-PGPUB;<br>USPAT   | OR | ON | 2008/01/15<br>17:53 |
| S41         | 30     | S37 and S40  | US-PGPUB;<br>USPAT   | OR | ON | 2008/01/15<br>17:53 |
| S42         | 360697 | (silicon with (silicon adj<br>dioxide or silicon adj<br>oxide or silica)) (si with<br>(sio2 or "sio.sub.2")) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/15<br>18:23 |
| S43         | 13     | S37 and S42  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/15<br>18:23 |
| S44         | 219729 | (surface boundary) adj<br>acoustic adj wave or<br>SAW or BAW   | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/15<br>18:45 |
| <b>S4</b> 5 | 7038   | S44 and S42  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/15<br>18:45 |
| S46         | 329    | S45 and idt  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/15<br>18:46 |
| S47         | 28     | slow adj transverse adj<br>wave  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/22<br>07:55 |
| S48         | 2904   | (sh (shear adj<br>horizontal)) with wave   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/22<br>07:55 |
| S49         | 6310   | ((slow adj transverse)<br>st) with wave  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | OR | ON | 2008/01/22<br>07:55 |

| S50 | 311    | S48 and S49  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/22<br>07:56 |
|-----|--------|--|--|----|----|---------------------|
| S51 | 1485   | 310/313R.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/22<br>08:43 |
| S52 | 1948   | 310/313A-313D.ccds.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/22<br>08:43 |
| S53 | 892    | ((951 S52) and<br>((electrode idt) with<br>thick\$4)         | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/22<br>08:43 |
| S54 | 380    | \$53 and lambda  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/22<br>08:44 |
| S55 | 29     | (951 952) and (duty<br>adj ratio)                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/01/22<br>08:50 |
| S56 | 1516   | 310/313R.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:12 |
| S57 | 1982   | 310/313A-313D.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:12 |
| S58 | 1634   | longitudinal\$ with coupl<br>\$3 with filter                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:13 |
| S59 | 226391 | (surface boundary) adj<br>acoustic adj wave or<br>SAW or BAW | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | OR | ON | 2008/06/28<br>17:13 |

| S60 | 545    | \$58 and \$59  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:13 |
|-----|--------|--|--|----|----|---------------------|
| S61 | 399927 | (silicon with (silicon adj<br>dioxide or silicon adj<br>oxide or silica)) (si with<br>(sio2 or "sio.sub.2"))   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:13 |
| S62 | 7546   | S59 and S61  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:13 |
| S63 | 43     | \$60 and \$62  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:13 |
| S64 | 24066  | lithium adj niobate<br>linbo3 "linbo.sub.3"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:13 |
| S65 | 1668   | euler near3 angles   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:13 |
| S66 | 118    | \$64 and \$65  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:13 |
| S67 | 22     | (US-20070284965.\$ or US-20060071579-\$ or US-20060071579-\$ or US-20050099091-\$ or US-20050082560-\$ or US-20030011281-\$ or US-20030011281-\$ or US-20020057485-\$ or US-20070090898-\$ or US-2005057323-\$ or US-2007018269-\$ or US-200506792-\$ or US-2007019868-\$). did. or (US-7218093-\$ or US-200506975-\$ or US-2007019868-\$). did. or (US-7218093-\$ or US-605698-\$ or US-605698-\$ or US-605698-\$ or US-605698-\$ or US-60598-\$ or US-6059 | US-PGPUB;<br>USPAT   | OR | ON | 2008/06/28<br>17:13 |

|     | *************************************** | 5783896-\$ or US-<br>5777422-\$ or US-<br>5565724-\$ or US-<br>5446329-\$ or US-<br>7042133-\$).did.       | ***************************************                        | *************************************** | *************************************** |                     |
|-----|---|--|--|---|---|---------------------|
| S68 | 12                                      | S67 and (electrode near3 thick\$4)   | US-PGPUB;<br>USPAT   | OR                                      | ON                                      | 2008/06/28<br>17:13 |
| S69 | 153540                                  | electrode with (au ag<br>cu al fe ni w ta pt mo<br>cr ti zno ito)  | US-PGPUB;<br>USPAT   | OR                                      | ON                                      | 2008/06/28<br>17:13 |
| S70 | 19                                      | S67 and S69  | US-PGPUB;<br>USPAT   | OR                                      | ON                                      | 2008/06/28<br>17:13 |
| S71 | 1908                                    | (S56 S57) and filter   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                      | ON                                      | 2008/06/28<br>17:13 |
| S72 | 575                                     | S71 and bandwidth  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                      | ON                                      | 2008/06/28<br>17:14 |
| S73 | 278                                     | S72 and coefficient  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                      | ON                                      | 2008/06/28<br>17:14 |
| S74 | 2967                                    | (sh (shear adj<br>horizontal)) with wave   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                      | ON                                      | 2008/06/28<br>17:14 |
| S75 | 31                                      | slow adj transverse adj<br>wave  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                      | ON                                      | 2008/06/28<br>17:14 |
| S76 | 7                                       | S74 and S75  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                      | ON                                      | 2008/06/28<br>17:14 |
| S77 | 344                                     | (S56 S57) and resin  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                      | ON                                      | 2008/06/28<br>17:14 |
| S78 | 83161                                   | resin with ((silicon adj<br>dioxide or silicon adj<br>oxide or silica) (si with<br>(sio2 or "sio.sub.2"))) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                      | ON                                      | 2008/06/28<br>17:14 |

| S79  | 1240  | S59 and S78  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:14 |
|------|-------|--|--|----|----|---------------------|
| \$30 | 29    | (US-20070284965-\$ or US-20060071579* or US-20060071579* or US-20050090991-\$ or US-20050090991-\$ or US-20050062560-\$ or US-20030011281-\$ or US-200200158549-\$ or US-20070090998-\$ or US-20070132339-\$ or US-2007012839-\$ or US-20070108688-\$ or US-20070108688-\$ or US-20070108688-\$ or US-20070198689-\$ or US-20070198689-\$ or US-200701986975-\$ or US-200701986975-\$ or US-5073941-\$ or US-6505724-\$ or US-5565724-\$ or US-5565724-\$ or US-546329-\$ or U | US-PGPUB;<br>USPAT   | OR | ON | 2008/06/28          |
| S81  | 6     | S80 and resin  | US-PGPUB;<br>USPAT   | OR | ON | 2008/06/28<br>17:14 |
| S82  | 24066 | lithium adj niobate<br>linbo3 "linbo.sub.3"  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:15 |
| S83  | 1668  | euler near3 angles   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:15 |
| S84  | 118   | S82 and S83  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:15 |

| S85 | 1019   | ((plane orientation)<br>with crystal) same<br>(lithium adj niobate<br>linbo3 "linbo.sub.3")  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | ON | 2008/06/28<br>17:15 |
|-----|--------|--|---------------------------------------|----|----|---------------------|
| S86 | 94002  | (plane orientation) with crystal   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | ON | 2008/06/28<br>17:15 |
| S87 | 3545   | S82 and S86  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | ON | 2008/06/28<br>17:15 |
| S88 | 2992   | S87 and (angle degree)   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | ON | 2008/06/28<br>17:15 |
| S89 | 199995 | surface adj acoustic adj<br>wave or boundary adj<br>acoustic adj wave or<br>saw or baw   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | ON | 2008/06/28<br>17:15 |
| S90 | 606    | S88 and S89  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | ON | 2008/06/28<br>17:15 |
| S91 | 37     | (US-20070284965.\$ or US-2007018868-\$ or US-2000108868-\$ or US-20030164657-\$ or US-20030164657-\$ or US-2003016387-\$ or US-20070090891-\$ or US-200500891-\$ or US-20050082560-\$ or US-20050082560-\$ or US-20030011281-\$ or US-2003011281-\$ or US-2003012839-\$ or US-20060071579-\$ or US-20060071579-\$ or US-20060071579-\$ or US-20040061575-\$ or US-200400615 | US-PGPUB;<br>USPAT                    | OR | ON | 2008/06/28<br>17:15 |

|      |        | 6373353-\$ or US-<br>6337531-\$ or US-<br>6141465-\$ or US-<br>6025636-\$).did.                              | ***************************************                        |    |    |                     |
|------|--------|--|--|----|----|---------------------|
| S92  | 1634   | longitudinal\$ with coupl<br>\$3 with filter   | US PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:15 |
| S93  | 5      | S91 and S92  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:15 |
| S94  | 153540 | electrode with (au ag<br>cu al fe ni w ta pt mo<br>cr ti zno ito)  | US-PGPUB;<br>USPAT   | OR | ON | 2008/06/28<br>17:16 |
| S95  | 29     | S91 and S94  | US-PGPUB;<br>USPAT   | OR | ON | 2008/06/28<br>17:16 |
| S96  | 399927 | (silicon with (silicon adj<br>dioxide or silicon adj<br>oxide or silica)) (si with<br>(sio2 or "sio.sub.2")) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:16 |
| S97  | 12     | S91 and S96  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:16 |
| S98  | 226391 | (surface boundary) adj<br>acoustic adj wave or<br>SAW or BAW   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:16 |
| S99  | 7546   | S98 and S96  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:16 |
| S100 | 365    | S99 and idt  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:16 |
| S101 | 2967   | (sh (shear adj<br>horizontal)) with wave   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:16 |

| S102 | 6413 | ((slow adj transverse)<br>st) with wave               | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:16 |
|------|------|---|--|----|----|---------------------|
| S103 | 320  | S101 and S102   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:16 |
| S104 | 1516 | 310/313R.cols.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:16 |
| S105 | 1982 | 310/313A-313D.cols.                                   | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:16 |
| S106 | 918  | (S104 S105) and<br>((electrode idt) with<br>thick\$4) | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:16 |
| S107 | 380  | S106 and lambda                                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:16 |
| S108 | 32   | (S104 S105) and (duty<br>adj ratio)                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/06/28<br>17:16 |
| S109 | 1551 | 310/313R.cds.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:33 |
| S110 | 2010 | 310/313 <b>A</b> -313D.ccls.                          | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:33 |
| S111 | 1669 | longitudinal\$ with coupl<br>\$3 with filter          | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | OR | ON | 2008/11/06<br>15:33 |

| S112 | 231461 | (surface boundary) adj<br>acoustic adj wave or<br>SAW or BAW   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:33 |
|------|--------|--|--|----|----|---------------------|
| S113 | 566    | S111 and S112  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:33 |
| S114 | 414670 | (silicon with (silicon adj<br>dioxide or silicon adj<br>oxide or silica)) (si with<br>(sio2 or "sio.sub.2"))   | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:33 |
| S115 | 7940   | S112 and S114  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06 15:33    |
| S116 | 46     | S113 and S115  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:33 |
| S117 | 24834  | lithium adj niobate<br>linbo3 "linbo.sub.3"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:33 |
| S118 | 1742   | euler near3 angles   | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:33 |
| S119 | 129    | S117 and S118  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:33 |
| S120 | 19     | (US-20070284965.\$ or US-20060071579-\$ or US-20050095091-\$ or US-20050062560-\$ or US-20030011281-\$ or US-20020158549-\$ or US-200207485-\$ or US-20020050057323-\$ or US-2007003093-\$ or US-2007015239-\$ or US-2007015869-\$ or US-2007015869-\$ or US-2007015869-\$ or US-2007015869-\$ or US-2007016886-\$). | US-PGPUB;<br>USPAT   | OR | ON | 2008/11/06<br>15:33 |

|      | *************************************** | did. or (US-7218039-\$<br>or US-6806795-\$ or US-<br>6713941-\$ or US-<br>6566993-\$ or US-<br>558359-\$ or US-<br>5777422-\$ or US-<br>5565724-\$ or US-<br>5446329-\$ or US-<br>7042133-\$).did. |  |    |    |                     |
|------|---|--|--|----|----|---------------------|
| S121 | 9                                       | S120 and (electrode near3 thick\$4)  | US-PGPUB;<br>USPAT   | OR | ON | 2008/11/06<br>15:33 |
| S122 | 160307                                  | electrode with (au ag<br>cu al fe nì w ta pt mo<br>cr tì zno ito)  | US-PGPUB;<br>USPAT   | OR | ON | 2008/11/06<br>15:33 |
| S123 | 16                                      | S120 and S122  | US-PGPUB;<br>USPAT   | OR | ON | 2008/11/06<br>15:33 |
| S124 | 1947                                    | (S109 S110) and filter   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:33 |
| S125 | 585                                     | S124 and bandwidth   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:34 |
| S126 | 284                                     | S125 and coefficient   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:34 |
| S127 | 3011                                    | (sh (shear adj<br>horizontal)) with wave   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:34 |
| S128 | 32                                      | slow adj transverse adj<br>wave  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:34 |
| S129 | 18                                      | S127 and S128  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:34 |
| S130 | 18                                      | S127 and S128  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:35 |

| S131 | 356    | (S109 S110) and resin  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:35 |
|------|--------|--|--|----|----|---------------------|
| S132 | 85490  | resin with ((silicon adj<br>dioxide or silicon adj<br>oxide or silica) (si with<br>(sio2 or "sio.sub.2"))) | US-PCPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:35 |
| S133 | 1313   | S112 and S132  | US-PCPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:35 |
| S134 | 24834  | lithium adj niobate<br>linbo3 "linbo.sub.3"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:36 |
| S135 | 1742   | euler near3 angles   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:36 |
| S136 | 129    | S134 and S135  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:36 |
| S137 | 97279  | (plane orientation) with crystal   | US-PGPUB;<br>USPAT; USOOR;<br>DERWENT                          | OR | ON | 2008/11/06<br>15:36 |
| S138 | 3655   | S134 and S137  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR | ON | 2008/11/06<br>15:36 |
| S139 | 3088   | S138 and (angle<br>degree)   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR | ON | 2008/11/06<br>15:36 |
| S140 | 204881 | surface adj acoustic adj<br>wave or boundary adj<br>acoustic adj wave or<br>saw or baw                     | US-PGPUB;<br>USPAT; USOOR;<br>DERWENT                          | OR | ON | 2008/11/06<br>15:36 |
| S141 | 629    | S139 and S140  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR | ON | 2008/11/06<br>15:36 |
| S142 | 3011   | (sh (shear adj<br>horizontal)) with wave   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:36 |

| S143 | 6488 | ((slow adj transverse)<br>st) with wave               | US-PCPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:36 |
|------|------|---|--|----|----|---------------------|
| S144 | 323  | S142 and S143   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:36 |
| S145 | 1551 | 310/313R.cals.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:36 |
| S146 | 2010 | 310/313A-313D.ccls.                                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:36 |
| S147 | 939  | (S145 S146) and<br>((electrode idt) with<br>thick\$4) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:36 |
| S148 | 381  | S147 and lambda                                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:36 |
| S149 | 34   | (S145 S146) and (duty<br>adj ratio)                   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/06<br>15:37 |
| S150 | 1551 | 310/313R.cals.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>12:38 |
| S151 | 2010 | 310/313A-313D.ccls.                                   | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>12:38 |
| S152 | 1947 | (S150 S151) and filter                                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | OR | ON | 2008/11/09<br>12:38 |

| S153 | 585 | S152 and bandwidth   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>12:38 |
|------|-----|--|--|----|----|---------------------|
| S154 | 46  | (US-20070284965-\$ or US-200701088868-\$ or US-20070108888-\$ or US-20070108888-\$ or US-20010135469-\$ or US-20020053856-\$ or US-20020053856-\$ or US-20070090898-\$ or US-20070090898-\$ or US-20050099091-\$ or US-200500952560-\$ or US-20050017579-\$ or US-2005001251-\$ or US-2005001251-\$ or US-2005001251-\$ or US-2005001251-\$ or US-2005001251-\$ or US-2005007523-\$ or US-200200158549-\$ or US-20040164645-\$ or US-20040174233-\$ or US-20020057036-\$). did. or (US-7151424-\$ or US-7042133-\$ or US-7042133-\$ or US-7042133-\$ or US-6005795-\$ or US-613941-\$ or US-670300-\$ or US-613941-\$ or US-670300-\$ or US-613941-\$ or US-670300-\$ or US-613941-\$ or US-670300-\$ or US-6713941-\$ or US-6713941-\$ or US-673353-\$ or US-6713941-\$ or US-673353-\$ or US-6713941-\$ or US-673353-\$ or US-6733943-\$ or US-6733935-\$ or US-673395-\$ or US-673395-\$ | US-PCPUB;<br>USPAT   | OR | ON | 2008/11/09          |

| S155 | 32     | S154 and (coupling with coefficient)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>15:01 |
|------|--------|--|--|----|----|---------------------|
| S156 | 15     | S154 and (bandwidth)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>15:01 |
| S157 | 10     | S155 and S156  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/11/09<br>15:01 |
| S158 | 1588   | 310/313R.cds.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:01 |
| S159 | 2059   | 310/313A-313D.ccis.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:01 |
| S160 | 1714   | longitudinal\$ with ∞upl<br>\$3 with filter  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:01 |
| S161 | 236747 | (surface boundary) adj<br>acoustic adj wave or<br>SAW or BAW   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:01 |
| S162 | 594    | S160 and S161  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:01 |
| S163 | 431267 | (silicon with (silicon adj<br>dioxide or silicon adj<br>oxide or silica)) (si with<br>(sio2 or "sio.sub.2")) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:01 |
| S164 | 8384   | S161 and S163  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | OR | ON | 2009/03/19<br>21:01 |

| S165 | 53     | S162 and S164   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:01 |
|------|--------|---|--|----|----|---------------------|
| S166 | 25606  | lithium adj niobate<br>linbo3 "linbo.sub.3"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:01 |
| S167 | 1826   | euler near3 angles  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:01 |
| S168 | 140    | \$166 and \$167   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:01 |
| S169 | 17     | (US-20070284965.\$ or US-20060071579-\$ or US-20050090901-\$ or US-20050082560-\$ or US-20030011281-\$ or US-20030011281-\$ or US-20030011281-\$ or US-20030057823-\$ or US-2007090898-\$ or US-2007090898-\$ or US-20070192393-\$ or US-20070192393-\$ or US-20070192409-\$ or US-20070192409-\$ or US-20070192409-\$ or US-20070192409-\$ or US-20070192409-\$ or US-20070192409-\$ or US-2007019240-\$ or US-6566983-\$ or US-573399-\$ or US-573399-\$ or US-573399-\$ or US-573399-\$ or US-573399-\$ or US-573399-\$ or US-57577422-\$ or US-5565724-\$ or US-5446929-\$ or US-7042133-\$ ). did. | US PGPUB;<br>USPAT   | OR | ON | 2009/03/19<br>21:01 |
| S170 | 167464 | electrode with (au ag<br>cu al fe ni w ta pt mo<br>cr ti zno ito)   | US-PGPUB;<br>USPAT   | OR | ON | 2009/03/19<br>21:01 |
| S171 | 14     | S169 and S170   | US-PGPUB;<br>USPAT   | OR | ON | 2009/03/19<br>21:01 |
| S172 | 2006   | (S158 S159) and filter  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:02 |

| S173 | 600   | S172 and bandwidth   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:02 |
|------|-------|--|--|----|----|---------------------|
| S174 | 289   | S173 and coefficient   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:02 |
| S175 | 3073  | (sh (shear adj<br>horizontal)) with wave   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:02 |
| S176 | 36    | slow adj transverse adj<br>wave  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:02 |
| S177 | 22    | S175 and S176  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:02 |
| S178 | 380   | (S158 S159) and resin  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:02 |
| S179 | 88390 | resin with ((silicon adj<br>dioxide or silicon adj<br>oxide or silica) (si with<br>(sio2 or "sio.sub.2"))) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:02 |
| S180 | 1407  | S161 and S179  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:02 |
| S181 | 25606 | lithium adj niobate<br>linbo3 "linbo.sub.3"  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:02 |
| S182 | 1826  | euler near3 angles   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:02 |

| S183 | 140    | S181 and S182  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:02 |
|------|--------|--|--|----|----|---------------------|
| S184 | 100817 | (plane orientation) with crystal   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR | ON | 2009/03/19<br>21:03 |
| S185 | 3765   | S181 and S184  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR | ON | 2009/03/19<br>21:03 |
| S186 | 3186   | S185 and (angle degree)  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR | ON | 2009/03/19<br>21:03 |
| S187 | 209938 | surface adj acoustic adj<br>wave or boundary adj<br>acoustic adj wave or<br>saw or baw | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR | ON | 2009/03/19<br>21:03 |
| S188 | 657    | S186 and S187  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR | ON | 2009/03/19<br>21:03 |
| S189 | 3073   | (sh (shear adj<br>horizontal)) with wave   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:03 |
| S190 | 6571   | ((slow adj transverse)<br>st) with wave  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:03 |
| S191 | 331    | S189 and S190  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:03 |
| S192 | 1588   | 310/313R.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:03 |
| S193 | 2059   | 310/313A-313D.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:03 |
| S194 | 982    | (S192 S193) and<br>((electrode idt) with<br>thick\$4)                                  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:03 |

| S195 | 382    | S194 and lambda  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:03 |
|------|--------|--|--|----|----|---------------------|
| S196 | 42     | (S192 S193) and (duty<br>adj ratio)                          | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:04 |
| S197 | 1588   | 310/313R.cds.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:04 |
| S198 | 2059   | 310/313A-313D.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:04 |
| S199 | 2006   | (S197 S198) and filter                                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:04 |
| S200 | 600    | S199 and bandwidth   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/03/19<br>21:04 |
| S201 | 1612   | 310/313R.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:00 |
| S202 | 2092   | 310/313A-313D.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:00 |
| S203 | 1759   | longitudinal\$ with coupl<br>\$3 with filter                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:00 |
| S204 | 242479 | (surface boundary) adj<br>acoustic adj wave or<br>SAW or BAW | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:00 |

| \$205 | 614    | S203 and S204  | US PGPUB;<br>USPAT; USOCR,<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:00 |
|-------|--------|--|--|----|----|---------------------|
| S206  | 449309 | (silicon with (silicon adj<br>dioxide or silicon adj<br>oxide or silicon) (si with<br>(sio2 or "sio.sub.2")) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:00 |
| S207  | 8830   | \$204 and \$206  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:00 |
| S208  | 64     | \$205 and \$207  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:00 |
| S209  | 26373  | lithium adj niobate<br>linbo3 "linbo.sub.3"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:01 |
| S210  | 1896   | euler near3 angles   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:01 |
| S211  | 149    | \$209 and \$210  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:01 |
| S212  | 2048   | (S201 S202) and filter   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:01 |
| S213  | 613    | S212 and bandwidth   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:01 |
| S214  | 298    | S213 and coefficient   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | OR | ON | 2009/08/05<br>09:02 |

| S215  | 3122   | (sh (shear adj<br>horizontal)) with wave   | US-PCPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:02 |
|-------|--------|--|--|----|----|---------------------|
| S216  | 42     | slow adj transverse adj<br>wave  | US-PCPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:02 |
| S217  | 27     | S215 and S216  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:02 |
| \$218 | 395    | (S201 S202) and resin  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:02 |
| S219  | 91322  | resin with ((silicon adj<br>dioxide or silicon adj<br>oxide or silica) (si with<br>(sio2 or "sio.sub.2"))) | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:02 |
| S220  | 1484   | S204 and S219  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:02 |
| S221  | 26373  | lithium adj niobate<br>linbo3 "linbo.sub.3"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:03 |
| S222  | 1896   | euler near3 angles   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:03 |
| S223  | 149    | \$221 and \$222  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:03 |
| S224  | 104588 | (plane orientation) with crystal   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR | ON | 2009/08/05<br>09:03 |
| S225  | 3861   | S221 and S224  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR | ON | 2009/08/05<br>09:03 |

| S226 | 3269   | S225 and (angle<br>degree)   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR | ON | 2009/08/05<br>09:03 |
|------|--------|--|--|----|----|---------------------|
| S227 | 215588 | surface adj acoustic adj<br>wave or boundary adj<br>acoustic adj wave or<br>saw or baw | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR | ON | 2009/08/05<br>09:03 |
| S228 | 673    | S226 and S227  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                          | OR | ON | 2009/08/05<br>09:03 |
| S229 | 3122   | (sh (shear adj<br>horizontal)) with wave   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:03 |
| S230 | 6652   | (((slow adj transverse)<br>st) with wave   | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:03 |
| S231 | 340    | S229 and S230  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:03 |
| S232 | 1612   | 310/313R.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:03 |
| S233 | 2092   | 310/313A-313D.ccls.  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:03 |
| S234 | 1013   | (S232 S233) and<br>(((electrode idt) with<br>thick\$4)                                 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:03 |
| S235 | 384    | S234 and lambda  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:04 |
| S236 | 47     | (S232 S233) and (duty<br>adj ratio)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/05<br>09:04 |

| S237 | 1612 | 310/313R cds.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | ON | 2009/08/05<br>09:04 |
|------|------|---|---|----|----|---------------------|
| S238 | 2092 | 310/313 <b>A</b> -313D.cds.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | ON | 2009/08/05<br>09:04 |
| S239 | 2048 | (\$237 \$238) and filter  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | ON | 2009/08/05<br>09:04 |
| S240 | 613  | S239 and bandwidth  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | ON | 2009/08/05<br>09:04 |
| S241 | 10   | ("20020158699"  <br>"20060071579"  <br>"20070159026"  <br>"5009156"   "6388361"  <br>  "6657366"  <br>"6700312"   "7180223"  <br>  "7218039"  <br>"7301255").FN. OR ("7554428").URFN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2009/08/05<br>10:47 |
| S242 | 86   | (boundary adj acoustic<br>adj wave) with (surface<br>adj acoustic adj wave)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/08/08<br>13:44 |

## EAST Search History (Interference)

## 8/8/2009 2:43:01 PM

C:\ Documents and Settings\ drosenau\ My Documents\ EAST\ Workspaces\ 10596359.wsp

<sup>&</sup>lt; This search history is empty>